

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

To:

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Date of mailing ( <i>day/month/year</i> ) 29 June 2006 (29.06.2006)	
Applicant's or agent's file reference KW294PC	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/JP2004/014762	International filing date ( <i>day/month/year</i> ) 30 September 2004 (30.09.2004)
Applicant KABUSHIKI KAISHA KENWOOD et al	

## 1. Transmittal of the translation to the applicant.



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Masashi Honda
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 70 10

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference KW294PC	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. PCT/JP2004/014762	International filing date ( <i>day/month/year</i> ) 30 September 2004 (30.09.2004)	Priority date ( <i>day/month/year</i> ) 30 September 2003 (30.09.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant KABUSHIKI KAISHA KENWOOD		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 7 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input checked="" type="checkbox"/> | Box No. VI   | Certain documents cited   |
| <input checked="" type="checkbox"/> | Box No. VII  | Certain defects in the international application  |
| <input checked="" type="checkbox"/> | Box No. VIII | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Date of issuance of this report 20 June 2006 (20.06.2006)
Facsimile No. +41 22 740 14 35	Authorized officer <div style="text-align: center; font-weight: bold; margin: 10px 0;">Masashi Honda</div> Telephone No. +41 22 338 70 10

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

**TRANSLATION**

**PCT**

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing  
(day/month/year)

Applicant's or agent's file reference

**KW294PC**

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

**PCT/JP2004/014762**

International filing date (day/month/year)

**30.09.2004**

Priority date (day/month/year)

**30.09.2003**

International Patent Classification (IPC) or both national classification and IPC

Applicant

**KABUSHIKI KAISHA KENWOOD**

1. This opinion contains indications relating to the following items:

- |                                     |              |  |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion   |
| <input type="checkbox"/>            | Box No. II   | Priority   |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention   |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited  |
| <input checked="" type="checkbox"/> | Box No. VII  | Certain defects in the international application   |
| <input checked="" type="checkbox"/> | Box No. VIII | Certain observations on the international application  |

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/014762

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/JP2004/014762

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability:  
citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	<u>3, 5-7, 9-13, 15, 17, 19, 22</u>	YES
	Claims	<u>1, 2, 4, 8, 14, 16, 18, 20, 21, 23</u>	NO
Inventive step (IS)	Claims	<u>5, 6, 9-13, 19, 22</u>	YES
	Claims	<u>1-4, 7, 8, 14-18, 20, 21, 23</u>	NO
Industrial applicability (IA)	Claims	<u>1-23</u>	YES
	Claims	<u></u>	NO

**2. Citations and explanations:**

Document 1: JP, 11-201766, A (Nissan Motor Co., Ltd.), 30 July, 1999 (30.07.99) (Family: none)  
Document 2: JP, 2002-149763, A (Seiko Epson Corp.), 24 May, 2002 (24.05.02) (Family: none)  
Document 3: JP, 11-160086, A (Alpine Electronics, Inc.), 18 June, 1999 (18.06.99) (Family: none)  
Document 4: JP, 11-271067, A (Sony Corp.), 5 October, 1999 (05.10.99) (Family: none)  
Document 5: JP, 2002-123519, A (Nippon Computer Graphic Kabushiki Kaisha), 26 April, 2002 (26.04.02) (Family: none)

The subject matters of claims 1 and 2 do not appear to be novel in view of document 1 cited in the ISR. The subject matters of claims 1 and 2 are disclosed in the claims 1 and 4 of the document 1.  
The subject matters of claim 3 do not appear to involve an inventive step in view of documents 1 and 2 cited in the ISR. The claim 1 of the document 2 discloses the technical idea of adjusting a stay time at a route point to obtain appropriate leg of travel. Accordingly, it is also considered to be obvious for a person skilled in the art to apply the technical idea to the document 1 for the purpose of searching appropriate routes.

The subject matters of claim 4 do not appear to be novel in view of document 1 cited in the ISR. The subject matters of claim 4 are disclosed in the claims 1 and 4 of the document 1.

The subject matters of claim 7 do not appear to involve an inventive step in view of documents 1 and 3-5 cited in the ISR. The description that display colors of travel routes are changed at every period of time is disclosed within the lines 20-24 of the third column of the document 3. The description that display colors of maps are changed according to temporal variation is disclosed within the lines 28-43 of the first column of the document 4. A navigation apparatus in which a map is displayed according to color arrangement corresponding to the required time at specific area is disclosed in the claim 1 and within the lines 39-41 of the twelfth column of the document 5. And, since making route display easy to see is an obvious challenge, a person skilled in the art could have easily conceived the idea of applying the displaying technique of the documents 3-5, which is corresponding to display colors and time, to the document 1.

The subject matters of claim 8 do not appear to be novel in view of document 1 cited in the ISR. The subject matters of claim 8 are disclosed in the claims 1 and 4 of the document 1.

The subject matters of claim 14 do not appear to be novel in view of document 1 cited in the ISR. The subject matters of claim 14 are disclosed in the claim 1 of the document 1 and within the line 15 of the fourth column.

The subject matters of claims 15 and 17 do not appear to involve an inventive step in view of documents 1 and 2 cited in the ISR. The description that a stay time is selected depending on users is disclosed within the line 25 of the eighth column to the line 1 of the ninth column of the document 2 and Fig.3 (A) and (B).

The subject matters of claim 16 do not appear to be novel in view of document 1 cited in the ISR.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/014762

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability:  
citations and explanations supporting such statement

The subject matters of claim 16 are disclosed in the claim 1 of the document 1 and within the line 15 of the fourth column and within the lines 7-9 of the sixth column.

The subject matters of claim 18 do not appear to be novel in view of document 1 cited in the ISR.

The subject matters of claim 1 are disclosed in the claims 1 and 4 of the document 1.

The subject matters of claim 20 do not appear to be novel in view of document 1 cited in the ISR.

The subject matters of claim 20 are disclosed in the claim 1 of the document 1 and within the line 15 of the fourth column.

The subject matters of claim 21 do not appear to be novel in view of document 1 cited in the ISR.

The subject matters of claim 21 are disclosed in the claims 1 and 4 of the document 1.

The subject matters of claim 23 do not appear to be novel in view of document 1 cited in the ISR.

The subject matters of claim 23 are disclosed in the claim 1 of the document 1 and within the line 15 of the fourth column.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/014762

Box No. VII      Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

"*Kanren turerareta*" as described within the line 6 in page 62 is seemed to be entered wrongly instead of "*Kanren dukerareta*".

"Fig. 57" as described within the line 5 in page 67 is seemed to be entered wrongly instead of "Fig. 26".

"*Bango*" as described within the line 15 in page 96 is entered wrongly instead of "*Bango (Number)*".

"*Karatsu*" as described within the line 9 in page 100 is entered wrongly instead of "*Kara hitotsu*".

"*Suru nomo he*" as described within the line 3 in page 109 is entered wrongly instead of "*Suru mono he*".

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/014762

Box No. VIII      Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

“Said category” is described within the line 2 of the claim 9, but any “category” is not described previously. Furthermore, since any “category” is not described in the claim 7 cited in the claim 9, in the claim 2 cited in the claim 7, and in the claim 1 cited in the claim 2, the description in the claim 9 is ambiguous.

Within the lines 7-10 in page 54 of the description, the arrival time at the bay side marina is written to be 17:50, which satisfies the route condition (11:00 to 21:00), but ambiguous wording of unsatisfying the route condition is written in that description.